

From ab4el.com Fri Jul 15 14:05:20 1994
From: Nothing in moderation...! <brewer@anarky.enet.dec.com>
Subject: -{ Wanted: EF Johnson Bug! }-

....owning about 10 Johnson transmitters, I PROMISE to care
for it, and put it to honest use Fair price will be offered.

Thanks!
/john
wb5oau

PS: Who made these for EFJ?

From ab4el.com Mon Jul 11 16:25:53 1994
From: "MELUCAS, MARC P." <MELUCAS@wsmc-mis.af.mil>
Subject: Antenna Couplers

Hello Everyone-

At the Foothill fest this past Saturday, I found two US Navy CU-168/FRR antenna couplers for \$25 each. They had been reconditioned at a gov't depot, and looked fantastic. Reputedly of a Collins design, they have one input, and five outputs for five receivers running simultaneously, and use commonly available 5U4G and 12AU7 tubes. Howard was there with me, so we talked to the seller. He apparently had bought a bunch of these, and still had more. He lives in Fresno, CA. So, I would like to ask if anyone else is interested is interested (sorry, my editor is on the blink today) in these as well. Reply back to me, and I will contact the seller and see if he can satisfy the demand. If so, with his permission, I will post his name and address to those interestedso that purchase can be accomplished directly.

Marc, KB0JPQ
MELUCAS@wsmc-mis.af.mil

From ab4el.com Mon Jul 11 17:03:20 1994
From: rdkeys@csemail (R. D. Keys)
Subject: Re: Antenna Couplers

>
>
> Hello Everyone-
>
> At the Foothill fest this past Saturday, I found two US Navy CU-168/FRR
> antenna couplers for \$25 each. They had been reconditioned at a gov't depot,

> and looked fantastic. Reputedly of a Collins design, they have one input, and
> five outputs for five receivers running simultaneously, and use commonly
> available 5U4G and 12AU7 tubes. Howard was there with me, so we talked to the
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> If so, with his permission, I will post his name and address to those
interestedso that purchase can be accomplished directly.

>
> Marc, KB0JPQ
> MELUCAS@wsmc-mis.af.mil
>
>

These sound interesting, but, before anyone gets too carried away,
and spends a lot of bucks for something akin to a golden gooseegg, the
traditional Navy way of connecting multiple receivers to a common antenna
was to series each receiver with a 100pf or so capacitor in series to
the common antenna lead. My guess is that this is doing the same sort
of thing but using the 12AU7 tubes as isolators/cathode followers, or
something like that to separate the effects of each additional receiver
on the common antenna. It sounds like a high priced 60's era fix to
a relatively simple problem. Is that what most boatanchorites need to do?

If you want more scoop, check out the late 30's RAL/RAK receiver manuals.
There was a link-switch on the antenna line that did just this sort of
thing to isolate receivers using a series capacitor.

I am not sure the average boatanchorite needs that kind of isolation
between his BC-348's, ARC-5's or R-388's for most kinds of use. A purist
might, but not your average joe. If you have a museum sort of display
setup, then the multicoupler might be advantageous, but how many of
us are that well set up.....?

Make sure the investment is worth the 25 buckeroos, and is not a high priced
fix for a simple cure.

What kind of connectors does the beast take. The navy went ape-shit on
type C and type N connectors..... not the average hamshack stuff, and
adapters to them are expensive. One might have to replace all the coax
connectors on the beast before it was usable, adding a few bucks to the
overall cost. Are there any motorized switches in the beast requiring
something strange like selsyn inputs or remote sensing inputs? That might
make it unworkable for a lot of folks.

Caveat, and I don't mean to push flies into the ointment, but do be wary
as to what it is you are buying, and what it is that you are trying to

do with the beast..... (:+}}....

Good Luck and fill us in on more particulars....

73
Bob
NA4G

From ab4e1.com Thu Jul 14 11:12:09 1994
From: lakeith@wrdis01.robins.af.mil (Larry CONTRACTOR Keith Mr.)
Subject: Re: Anybody home?

In your message of 13 Jul 1994 at 2155 EDT, you write:

>
> Is it my mailer malfunctioning or has the Boatanchor group run out of stuff to
> discuss? I used to at least 30 messages a day. Now I'm lucky if I get 10....
> Is anyone out there?

I think we are all suffering the summer doldrums.. About 10 messages
per day is what I have been seeing.. including those of folks trying
to get off the list.. Does anyone have an update on Paul?

73,

Larry, KQ4BY

From ab4e1.com Thu Jul 14 12:19:00 1994
From: djw@unlinfo.unl.edu (Daniel Wright)
Subject: Re: Anybody home?

>In your message of 13 Jul 1994 at 2155 EDT, you write:

>>
>> Is it my mailer malfunctioning or has the Boatanchor group run out of
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>> discuss? I used to at least 30 messages a day. Now I'm lucky if I get 10....
>> Is anyone out there?

>
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>per day is what I have been seeing.. including those of folks trying
>to get off the list.. Does anyone have an update on Paul?

>
>73,

>

>Larry, KQ4BY

Sorry,folks,I just couldn't resist:

Well... someone ran Andy Wallace off and we are not supposed to discuss prices and all of the r390s must be working.....!!!!!!!

(:-> (this is tounge-in-cheek now,fellas.....)<;-)

73 de Dan -- WA0JRD

From ab4el.com Thu Jul 14 16:31:23 1994

From: dev1!gilstrap@tesla.elen.ssd.fsi.com (SnapRoll Gilstrap)

Subject: Re: Anybody home?

> Is it my mailer malfunctioning or has the Boatanchor group run out of stuff to
> discuss? I used to at least 30 messages a day. Now I'm lucky if I get 10....
> Is anyone out there?

> -Jim

Must be a seasonal lull, but its nice to know I'm not the only one noticing the lower number of messages. I thought I was missing some because of mailer problems we have been having on my end.

BTW, is anyone minding the list while Paul is away? My change of address was sent in but no response. All of my BA mail is now bouncing over to my system administrator and he has to forward it to me. He's interested in knowing when I'll have the problem corrected.

>From another message:

> state replacements for their vtvm's which used a 12AU7 and a 6AL5.

^^^^^^

A few years ago here at work another engineer and I were discussing VTVMs when one of our junior engineer new guys happened to overhear us and exclaim "What's a VTVM?" He wasn't kidding either. It just struck me as remarkable that he never saw one in school. Since his remark reminded us that we were getting older we had a good guffaw at his expense. Of course, as it usually happens, he eventually became our avionics group leader (boss) and we can have our VTVMs bronzed for all he cares. These kids just don't have any respect anymore.

-

Stan Gilstrap - WB5LBH gilstrap@tesla.elen.ssd.fsi.com
FlightSafety International - Broken Arrow, OK

From ab4el.com Thu Jul 14 16:48:40 1994

From: lakeith@wrdis01.robins.af.mil (Larry CONTRACTOR Keith Mr.)

Subject: Re: Anybody home?

In your message of 14 Jul 1994 at 1157 EDT, you write:

> Sorry,folks,I just couldn't resist:

> Well... someone ran Andy Wallace off and we are not supposed to
> discuss prices and all of the r390s must be working.....!!!!!!!

> (:-> (this is tounge-in-cheek now,fellas.....)<;-)

> 73 de Dan -- WA0JRD

>

Everyone is probably out in the shack, jerking out all those bypass caps and installing 3-wire line cords.. Just like I told them to..

JOKE!!! (even though I am serious about the line cords/bypass caps..)

OK.... I never said that we shouldn't discuss prices.. I just think they are not going to remain stable...

I have been trying to get up toward Macon, for the last week, to pick up some R390A parts units.. What used to be a 10 minute drive up the road is now a 30 minute excursion through the back roads of Houston and Bibb Counties.. But, for those folks interested in that stuff, please bear with me..

On another front, I am enjoying my "new" SP-600. Despite a scrachy audio gain control and an inoperative meter, it is a heck of a receiver.. Whenever I go into the shack, I find myself tuning up and down the AM BC band.. Amazing reception from that old thing hooked to one side of my 135' dipole.. Got it feeding an old beat up Realistic Hi-fi speaker and I can run the neighbors clean out of town when I tune in that Klassic Kountry station up in Atlanta on 590 kc. Does great on the SWBC stuff, too. And, to my surprise, I found a lot of stuff between 40 and 50 Mc. Makes me wish I had hung onto that Ameco 6 and 2 meter transmitter (But, J. D. is probably getting some good use out of that!!)

Anybody besides Neal and me going to be at the Atlanta Hotfest, uh.. Hamfest? It's only one weekend away..

And, I know you all have your routes mapped out to join us here in Central GA for the Big Boatanchor Bash (and hamfest) on August 6, 1994.. Don't know how many flooded boatanchors will show up, but I know of a few that will be there.. And, we have Jim Kearman fired up to do the First Annual Central Georgia Boatanchors Forum. We arranged that so we could keep him out of the Bone Yard for a few minutes to give the rest of us a chance to buy something. And, I think the arrangements are coming together for the 2nd Friday Night Fist Fight

Eyeball QSO Party. It's going to be on Saturday evening at Pomo's Barbeque.. Understand they are selecting the hogs for that shindig, now.. Want to make sure that prime pork is permanently permeated with the proper portions of peppery sauce and hickory smoke! After the hamfest closes at 1500, you all can hot foot it on up to the Museum of Aviation and look at the old airplanes until it's time to go to dinner. Or, you might find Jim and me down at Kandy McKuen's washing away some of that bone yard dust with something cold..

Anyhow, there is some traffic to start something with.. You all come on out of the shack, now!

73,

Larry, KQ4BY

From ab4el.com Mon Jul 11 11:10:33 1994
From: Anderson_Neal@lanmail.ncsc.navy.mil
Subject: ATLANTA

Can anyone confirm the 23/24 July date and location for the Atlanta, GA 'fest? My area ARRL 'fest list shows it, but I can't find it in any of the magazines.

Also, I'm going to attend the Tampa 'fest this Friday, 15 July. Is anyone else going?

Neal N4UYR

From ab4el.com Mon Jul 11 13:03:04 1994
From: lakeith@wrdis01.robins.af.mil (Larry CONTRACTOR Keith Mr.)
Subject: Re: ATLANTA

In your message of 11 Jul 1994 at 1046 EDT, you write:

> Can anyone confirm the 23/24 July date and location for the Atlanta, GA
> 'fest? My area ARRL 'fest list shows it, but I can't find it in any of
> the magazines.

>

> Also, I'm going to attend the Tampa 'fest this Friday, 15 July. Is
> anyone else going?

Atlanta is 23/24 July.. Location Galleria Mall near Marietta.. Think the best approach is the I-285 western loop, or so I have been told.. Will have to get my SERA Journal out.. They had an ad in the last issue..

See you there..

Tampa... Probably a little far for me... Let me check the map...

73,

Larry, KQ4BY

From ab4el.com Wed Jul 13 00:14:42 1994

From: n5off@w5ddl.aara.org

Subject: B-24 Photo Book

I returned from the bookstore after seeing a photo book on the B-24. It had extensive interior photos of the ship "Delectible Doris" which had appeared on the cover of "Air Classics" a few years ago. From the outside the ship looks great. On the inside it looked like Ca Ca. Why they bothered to do a photo book on this pig I'll never know. The plane had not the wartime wear and tear, but it looked like it had been underwater for 50 years and then flown. The BA's looked terrible.

There is a similar book on the B-17 that was made during the filming of "Memphis Belle". Night and Day.

Anyone know why they picked such a terrible B-24 for the book? It did not follow me home.

73 de tom

From ab4el.com Wed Jul 13 15:22:55 1994

Subject: Re: B-24 Photo Book

From: Bill Standerfer <bill@hpsl.wes.lvl.hp.com>

>

>Anyone know why they picked such a terrible B-24 for the book? It did
>not follow me home.

>

Possibly to raise money for further restoration. B-24s are rare and there is only one really good one that I'm aware of. That's the one the Collings Foundation restored a few years ago now on the airshow circuit. Amazing that so few good ones have survived considering that more B-24s were built than any other U.S. bomber during the war.

And now back to your regularly scheduled boatanchor program...

Bill

Bill Standerfer
CFI-A, IA, ME

*

*

Hewlett-Packard Company
VXI Systems Division

bills@lvld.hp.com * Loveland, CO 80539
Baron N222AB - KF0DJ - Pikes Peak 253 * 303-679-2378

From ab4el.com Wed Jul 13 18:29:31 1994
Subject: Re: B-24 Photo Book
From: Bill Standerfer <bills@hpslwes.lvld.hp.com>

>
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Bill Standerfer * Hewlett-Packard Company
CFI-A, IA, ME * VXI Systems Division
bills@lvld.hp.com * Loveland, CO 80539
Baron N222AB - KF0DJ - Pikes Peak 253 * 303-679-2378

From ab4el.com Wed Jul 13 21:17:27 1994
From: bwb%csrvcs1.triad.com%triada.triad.com@triada.triad.com (Bruce Bacon)
Subject: Re: B-24 Photo Book

In a previous message, Bill Standerfer said:

| Foundation restored a few years ago now on the airshow circuit. Amazing that
| so few good ones have survived considering that more B-24s were built than any
| other U.S. bomber during the war.

The same can be said of the venerable old Hallicrafters SX-28.
Over 50,000 were built, yet after years of searching, I've yet to find one I'd spend good money on. Sure, thousands were probably axed, buried, or flung overboard, but one would think they'd be fairly common.
Oh well, I'm patient (a requirement of BA afficianados).

73 de

-Bruce Bacon (bwb@triad.com) KE6GLS Who hasn't been deleted from the list yet. And glad of it!

From ab4e1.com Wed Jul 13 23:07:31 1994
From: Bill Robie <robie@umbc.edu>
Subject: Re: B-24 Photo Book

On Tue, 12 Jul 1994 n5off@w5ddl.aara.org wrote:

> I returned from the bookstore after seeing a photo book on the B-24. It had
> extensive interior photos of the ship "Delectible
> Doris" which had appeared on the
> cover of "Air Classics" a few years ago. From the outside the ship looks
> great. On the inside it looked like Ca Ca. Why they bothered to do a photo
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> "Memphis Belle". Night and Day.
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> Anyone know why they picked such a terrible B-24 for the book? It did
> not follow me home.

I suspected that there were very few B-24s still around, so I asked on
rec.aviation.military how many were still flying. The response that I
got was that only one B-24 (owned by the Collins foundation) is still
airworthy and moving, and there may only be a half dozen, or so, B-24s
around in any condition at all (some of those may be hulks). I'm not
eve sure if NASM has one ... anyone know?

I'm checking to see if the B-24 shown in the book you mention was the
same one as is now "barnstorming" to pay for itself (apparently you can
buy rides aboard it). Will post what I find out.

Bill Robie

From ab4e1.com Wed Jul 13 23:27:40 1994
From: Bill Robie <robie@umbc.edu>
Subject: Re: B-24 Photo Book

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same one as is now "barnstorming" to pay for itself (apparently you can
buy rides aboard it). Will post what I find out.

Bill Robie

From ab4e1.com Thu Jul 14 04:17:48 1994
From: DUBE2@delphi.com
Subject: Boatanchor net

Some time ago there was talk of generating a boatanchor net. I don't
remember if it was going to be AM, CW, SSb, or all-mode. Did it
happen? Is it still active? What freq(s)?

73,
Dube Todd AB5AP <dube2@delphi.com>

From ab4e1.com Thu Jul 14 15:06:59 1994
From: rdkeys@csemail (R. D. Keys)
Subject: Re: Boatanchor net

>
> Some time ago there was talk of generating a boatanchor net. I don't
> remember if it was going to be AM, CW, SSb, or all-mode. Did it
> happen? Is it still active? What freq(s)?
>
> 73,
> Dube Todd AB5AP <dube2@delphi.com>
>

The cw fellas get together each weekend on friday nights at 0400utc saturday morning (utc time) for some BA brass pounding with straight keys.
See below.

Bob

OK, folks, here is the weekly posting for the CWISTS.....

Bob

QST QST QST CQ CQ DE NA4G NA4G NA4G BT
141348UTC JUL 94
FM NA4G
TO ALL CW OPS WORLDWIDE BT
CWIST FRIDAY NIGHT FIST FUNCTION.
ALL HANDS QSW/QSX 3702.5/7102.5KHZ 0400UTC 16/JUL/94.
GET ON THE AIR AND ENJOY A PLAIN CW EVENING ON THE 40/80 METER BANDS.
USE A REAL HAND KEY (A STRAIGHT SENDING IRON OR BUG IS ENCOURAGED).
CALL CWIST IMI DE YOURCALL K.
ENJOY OLD-TIME AMATEUR RADIO AND TRY SOME FRIENDLY BRASS POUNDING.
EXCHANGE MORE THAN RST QTH NAME HELLO AND GOODBYE.
HELP ALONG THE NEW HAMS ON CW TO GET THEIR SPEED UP.
TELL A FAIR YARN OR TWO AMONG FELLOW CWISTS AND RAGCHEW A WHILE.
TELL SOME HISTORY ABOUT THE OLD-TIME DAYS AND YOUR EXPERIENCES IN RADIO.
IF YOU ARE AN OLD TIMER PLEASE JOIN IN AND SHARE YOUR EXPERIENCES.
IF YOU WERE EVER A PROFESSIONAL PLEASE JOIN IN AND SHARE YOUR EXPERIENCES.
USE BOATANCHOR GEAR IF YOU HAVE IT AVAILABLE OR WHATEVER YOU HAVE.
SEE YOU THERE OM/YL.
73 TU SU DE NA4G BOB AR

Greetings CWISTS and Boatanchorites:

I will be on again at 0400UTC for the continuing saga of the Sacred and Most Honorable Friendly Society of Brass Pounding Fist Functioning CWISTS. All Boatanchorites and brass pounders welcome. If you have a boatanchor to run, please do use it. Straight shooting irons or bugs are the preferred electromechanical sending devices.

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+*****+
+          CWISTS Friday Night Fist Function          +
+*****+
+                                                    +

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+ Standard time:  Friday Nights at 0400UTC (Saturday morning)      +
+                                                         +
+ Standard freq:  80 meters --- 3702.5 khz for all hands.          +
+                 40 meters --- 7102.5 khz alternate, for all hands +
+                 (between the heterodynes)                        +
+                                                         +
+ Standard calling signal:  CWIST IMI DE <yourcall> K              +
+                                                         +
+*****

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Let us all work together to continue to advance and promote the friendly use of CW on the amateur radio bands.

Let us continue to assist and help the newcomers and slowspeeds who are trying to get their CW going.

Let us to continue to promote the use of whatever gear you have up and available, be it the newest of sorts or the oldest boatanchor. Remember, CW generation has not changed since the days of arcs, Alexanderson alternators, and Pliotrons.

Let us continue to promote the sharing and fellowship of the history and traditions of amateur radio (this includes all you OTs out there that have all sorts of goodly tidbits of history to relate to the young squirts on the block, and it includes all you young squirts on the block who, even though a bit new at CW and radio are the future of the service hobby or profession).

Let us continue to promote the ``elmering'' of all of our new folks by the old timers aboard, in any way that we can.

So, OTs aboard, young squirts in the wings, high-speed aficionados of the art, and slow-speed ragchewers, join in on the fun. If your equipment is old boatanchor, so what. If your signal is a bit weak or chirpy, so what. If your antenna is just a mere piece of wire up into the trees, so what. YOU can still join in and participate. YOU are the folks who will make it what it can be, a goodly learning time and an enjoyable evening for all.

See You There OM/YL.....

73 TU SU SK DE NA4G
Bob

```

*****
* May you have fair winds and following seas on your watch at the key. *
*****

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From ab4el.com Mon Jul 11 17:49:36 1994
From: okas_rp%ncsd.dnet@gte.com
Subject: Bratsfest Boneyard mini-report

Hello All,

A quick Boneyard report from the B.R.A.T.S. Hamfest yesterday...

Saw:

Viking Valiant	\$250	Near-mint condx, hifi mods
6N2	\$125	!!! It went home
DX-100	\$150	!!! It too went home
Seneca	\$35	Sold
DX60, HG-10	\$90	
SX-28	\$125	Saw it previous hamfest too
S-40	\$75	Heavily modified, bad paint job
HR0-7	\$?	Went home
NC-300	\$50	Seller: Golden Age Radio, as is
TX4, R4A, MS4	\$250	
AN/GRC 9	\$175	I think the seller took it home
4-400A deck	\$200	Dunno if this is a good price or not; Homebrew design, clean layout, No PS.

This is the second hamfest held at the Timonium Fairgrounds during the year. By my unscientific straw poll, I'd have to say that 50% of the stuff being sold was computer-related. It's a shame. BA prices are starting to show stellar tendencies, especially some of the not-so-rare pieces. Has anyone tried the insult method for bargaining down prices? By that I mean offering say, \$25 for the \$125 6N2?

Needless to say, I just stuck to piece parts. I was happy to walk away with a dual 100 pF Johnson air variable for the tuner I'm building. Any other experiences?

Bob - N3MBY

From ab4el.com Tue Jul 12 12:37:44 1994
From: don merz <71333.144@compuserve.com>
Subject: Camp Radio Cut Off--Apologies for Yaesu

Ham Radio Gear For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228
412-234-8819 (weekdays, EST).

Complete WWII U.S. Army camp radio station. Includes low-power AM transmitter, monitor panel, mixer console, mics, cables and 16" turntable plus about 30 brand new original Army-issue 16" records featuring Frank Sinatra and then-current big-bands. "Be the first one on your block...." Everything is used but excellent in some scruffy transit cases. \$1,595

Yaesu FT736R all-mode transciever. 6 meter, 2 meter and 440mhz modules installed. With manuals and DC adapter. Excellent or better condition. Very lightly used. \$1,399

From ab4el.com Tue Jul 12 12:29:03 1994
From: lakeith@wrdis01.robins.af.mil (Larry CONTRACTOR Keith Mr.)
Subject: Case of the Muddy Marauder

Yesterday afternoon, a friend (awaiting his Novice License) drove his Opel GT into my driveway and proceeded to unload a Heathkit Marauder SSB Transmitter that was rescued from the flood.. As we drank a beer and traded war stories about the flood, he asked if I would see if I could get the Marauder back on the air..

We opened it up and to my surprise, it doesn't look too bad. Don't think it was under water too long. Underneath the chassis is clean. The top of the chassis has a very thin layer of mud.. I can clean it off by rubbing it with my finger..

So, the plan is:

1. Let it dry out..
2. Remove the mud with a brush and some gentle air blasts.
3. Remove and test each tube -- Give the sockets a shot of contact cleaner.
4. Clean all the switches, controls, and other sockets..
5. Do some resistance checks..
6. Reform the filter caps..

7. Gently bring it on line..

Any thoughts?

There is one obviously bad component, which the slightly damp schematic lists as L16.. It is the high voltage filter choke. Do any of you Heathkit gurus know the value/rating for this beast? I only have a schematic and the operating instructions.

73,

Larry, KQ4BY

From ab4el.com Tue Jul 12 14:29:16 1994

From: lakeith@wrdis01.robins.af.mil (Larry CONTRACTOR Keith Mr.)

Subject: Case of the Muddy Marauder

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73,

Larry, KQ4BY

From ab4el.com Wed Jul 13 13:54:00 1994
From: lakeith@wrdis01.robins.af.mil (Larry CONTRACTOR Keith Mr.)
Subject: Collins 51J2

Am considering a trade where I will acquire a Collins 51J2 Receiver. Has anyone ever owned one of these.. Is it basically an early 51J3?

73,

Larry, KQ4BY

From ab4el.com Wed Jul 13 12:03:41 1994
From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>
Subject: COLLINS ACCESSORIES

----- Forwarded message begins here -----
>From: Ray Muschlewski <raym@omnifest.uwm.edu>
12 Jul 1994 10:26:26 -0500
Newsgroups: rec.radio.swap
Subject: COLLINS ACCESSORIES

I have a couple extra pieces of equipment from my Collins Station.

PM2 Power supply w/manual for KWM2/2A
312B4 Station Console w/manual (patch,wattmeter,speaker)
Both items are in good condition and fully functional. Email me an offer on either or both.
Ray WB9ZIQ Email:raym@omnifest.uwm.edu
###

----- Forwarded message ends here -----
-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From ab4el.com Fri Jul 15 13:01:07 1994
From: "Kevin Anderson" <GGANDERSON@Augustana.edu>
Subject: Contact cleaner/de-oxidant

Boatanchor gang,

I pulled this from the CQ-CONTESTS list (send a subscribe message to listserv@tgv.com or cq-contest-request@tgv.com if you want to subscribe; I was on only briefly, one day, to see what it was like--bunch of complaining about "big gas" (super or illegal power) stations--I don't contest so I unsubscribed again.)

It looks like Cramolin R5, so much raved about on the BA list, is short lived. It contains Freon, making it now illegal for consumer sales. This post describes CAIG's replacement formulas.

Just a friendly forwarding service from a BA fan....
73 de Kevin, kb9iua

----- Forwarded Message Follows -----

Date sent: Thu, 14 Jul 1994 19:15:18 -0600
>From: "John W. Brosnahan" <broz@csn.org>
Send reply to: "John W. Brosnahan" <broz@csn.org>
To: cq-contest@tgv.com
Subject: Contact cleaner/de-oxidant

Thanks, everyone for all of the information on contact cleaner and anti-oxidants. Because some of it was conflicting, I called the factory (thanks K0PP for the number) to get the real scoop.

CAIG Laboratories in California is the manufacturer of Cramolin R5 which has gotten rave reviews in a number of publications since its introduction 30+ years ago. It combines an anti-oxidant that lifts the oxides and is petroleum based so covers the contacts and reduces reformation of an oxide. But the original formula for Cramolin R5 uses freon TF for the propellant and is not for sale to consumers although businesses can still obtain it for the remainder of 1994, until the next phase-in of the EPA regs for freon. (Still available for \$19.95 for 5 oz. if you have a business license. High price is due to the premium freon manufacturers are charging for their product.)

But Caig labs has three other products to replace it called DE-OXIT.

- 1) D5 is petroleum based with naphtha and has the disadvantage that it is flammable during application. (\$8.50 for 5.5 oz can.)
- 2) DN5 is the nonflammable version that uses a hydrogen based CFC that is EPA acceptable but it tends to be aggressive with some plastics and is not recommended for electronics. (\$11.95 for 5.5 oz can.)
- 3) D100S is 100% anti-oxidant/lubricant. It is \$11.95 for 2 oz but you are getting all "good stuff" without being diluted by the solvents, and it has a sprayer with an adjustable nozzle so you can put just the right amount in the right place.

SOME POINTS

- 1) The prices quoted are their prices when buying direct but they have a \$50 minimum. When buying through dealers the price will be somewhat higher.
- 2) MCM Electronics sells it and I believe it is also available through LTA.
- 3) They quote shelf life to be one year, so don't buy more than you need and hope that the dealers haven't left it sitting around for years. They indicated that the one year is pretty conservative, though.

They also have a product called Pro Gold for gold contacts and it is also available in a felt tipped marker for just wiping across those gold circuit board contacts.

CAIG Labs at 619-451-1799 (ask for Diane James).

I also had a recommendation for a product called Contact-ReNu by Miller-Stephenson.

I received a number of stories about how these materials cleared up nagging intermittents in a lot of different rigs, and older Kenwoods were noted as being notorious for problems that this stuff can fix!

Thanks for everyone's input and I hope this info is of use to some of you.

73 John WOUN broz@csn.org

Kevin L. Anderson, Geography Dept., Augustana College
Rock Island, Illinois 61201 USA phone: (309) 794-7325
e-mail: gganderson@augustana.edu or kla@helios.augustana.edu

From ab4el.com Tue Jul 12 23:47:42 1994
From: "MELUCAS, MARC P." <MELUCAS@wsmsc-mis.af.mil>
Subject: CU-168/FRR Antenna Couplers

Hello Everyone-

I have received many a question regarding the CU-168/FRR antenna couplers. For everybody's benefit, these things are built for 19" rack mount, have a panel face 8 1/2" high, weigh 42 lbs uncrated, require 115 VAC for power, and use type UG-21 B/U connectors on the input and output with an impedance of 70 ohms. Frequency range is 2 to 32 Mhz. One line in, five lines out, and they can be "daisy chained" together if you want to hook many more receivers to the same antenna. They are in beautiful condition with fresh paint, their own boxes, and and a reconditioning job courtesy of Uncle Sugar.

Bob, NA4G, stated some very important caveats regarding this kind of equipment. If you do not want to be bothered with the different connectors, or the 70 ohm impedance, or some other aspect, then do not indulge. If you know how to get around these hurdles, or have equipment that is compatible with these things, then by all means enjoy. These things are available from a gentleman in Fresno, CA for a price of \$25. Compare that to the latest Fair Radio catalog, and you see similar type of equipment in used condition for \$65 to \$99. You be the judge.

I posted information about these units in the spirit of TRYING to be of SERVICE to our BA net, in the hope that anyone who would like to play with such an animal might appreciate the information. I make no claims regarding their use, nor do I represent the gentleman selling them. One little connector type does not disappoint me, as I have other US Navy equipment with weird connectors as well. I have been looking for this kind of thing for some time, and am sure that others might be looking for this kind of thing as well. It is my philosophy that I have found some sort of challenge with every piece of BA gear I have; we all have challenges about such things as old capacitors, grounding, black wrinkle paint, Etc....and I like these challenges because they have become learning experiences. If you do not like to cope with a little challenge with your radios, then join the "ricebox appliance operator" crowd.

Now if anyone is still interested, please send me an e-mail, so I can get a head count, and contact the seller for his permission to post his address.

Marc, KB0JPQ

From ab4el.com Mon Jul 11 09:41:19 1994

Subject: Fw: (fwd) WANTED: Hallicrafters SX-117 Rcvr., HA-20 VFO

From: lakeith@wrdis01.robins.af.mil (Larry CONTRACTOR Keith Mr.)

(forwarding comment)

Anybody want to help this guy out?

73,

Larry, KQ4BY

(original message follows)

Path: wrdis02.robins.af.mil!aus1.robins.af.mil!mane.cgrg.ohio-state.edu!math.ohio-state.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!olivea!decwrl!decwrl!tribune.usask.ca!canopus.cc.umanitoba.ca!silver.cs.umanitoba.ca!rflukes
>From: rflukes@silver.cs.umanitoba.ca (Richard F. Lukes)
Newsgroups: rec.radio.swap
Subject: WANTED: Hallicrafters SX-117 Rcvr., HA-20 VFO
Date: 10 Jul 1994 19:10:26 GMT
Organization: Computer Science, University of Manitoba, Winnipeg, Canada
Lines: 16
Distribution: na
Message-ID: <2vph32\$si3@canopus.cc.umanitoba.ca>
NNTP-Posting-Host: silver.cs.umanitoba.ca

I am looking for a Hallicrafters SX-117 receiver. This is the companion to the HT-44 transmitter. I am also looking for an HA-20 VFO which is the external VFO for the SR-400 and SR-2000 transceivers. Does anyone have either of these for sale? If so please e-mail me describing the condition of the equipment. Willing to purchase non-working units.

I could be talked into purchasing a cheap SR-400 too :-)

Thanks,
--Rich
--

Richard F. Lukes	rflukes@silver.cs.UManitoba.CA
Computer Science Department	
University of Manitoba	HOME: (204)-257-6701
Winnipeg, Manitoba CANADA	WORK: (204)-474-8696

From ab4el.com Thu Jul 14 15:05:06 1994
From: Clark Fishman (FSAC-FCD) <cfishman@PICA.ARMY.MIL>
Subject: Hay Larry

Them boatanchors gets more and more weighty in the summer

WA2UNN with a HT-32 with a blown power transformer (for 20 years)

From ab4el.com Sat Jul 9 23:26:08 1994
From: ALLEN_RM@delphi.com
Subject: hELp Needed with Hallicrafters SX-42

For some reason, my subject line got messed up -- this message was previously posted under the subject "S" so I am reposting it in hopes of a correct subject line this time...sorry for the inconvenience. Here Goes.

Hey Guys,

I've got a problem with my newly acquired Hallicrafters SX-42. When I turn it on, I hear an intermittent "frying" sound through the speaker, accompanied by a dimming of the meter lights. Seems like something is arcing or shorting. Otherwise, it works fine.

The condition usually persists for no longer than a second, and doesn't happen so much after the rig has warmed up for 15 minutes or so. The problem is getting progressively worse however. When I looked under the lid, I noticed one tube that glowed bright neon blue instead of the dull orange of the others. The "neon" tube is an OD3-VR150. The other tubes used in this rig are (2) 6V6, (1) 6SL7, (1) 5U4G, (1) 6SG7, (1) 6SK7, (2) 6H6, (2) 7H7, and (1) 7A4.

A Hallicrafters repair bill included with the radio, dated 1965, reads as follows:

"Replaced leaking .05 bypass condenser in 1st RF AVC circuit -- Replaced worn RF control -- 1st RF tube low emission replaced -- RF section noisy, cleaned & lubricated band switch contacts & gang wipers -- wire disconnected from mixer coil, repaired (band #4) - wrong value (3.3k) resistor replaced with correct value (330 Ohm) off 3rd band mixer coil."

Any help you can offer to help heal this ill BA would be appreciated.

73, Bob / WD5V Ft. Worth

From ab4el.com Mon Jul 11 09:03:02 1994
From: "Rhett T. George" <rtg@ee.duke.edu>
Subject: Re: hELp Needed with Hallicrafters SX-42

- To Bob, WD5V -

Occasionally I have had to fight with intermittent resistors - some carbon composition ones that go open inside the case and some large ones that develop shorts from the resistive material (often wire-wound) to the metal mounting bracket. A developing short will account for panel lamps dimming. Another problem has been oxidized tube socket contacts which produce a frying sound, but usually no excess current drain. BTW, the voltage regulator tube sounds like it is just the right color. Hope this helps.

Rhett - KE4HIH

From ab4el.com Mon Jul 11 09:26:28 1994
From: don merz <71333.144@compuserve.com>
Subject: Hey! Gear For Sale!

Ham and Military Radio Gear For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228
412-234-8819 (weekdays, EST).

LATEST ADDITIONS: These are the latest additions to a lengthy list that is posted on Compuserve in HAMNET Library 10 in the file RADIOS.TXT.

NOTE: I am a collector, trader and hobbyist, not a business. OFFERS AND TRADES ARE WELCOME. Full payment is requested in advance. Shipping costs extra and takes 2 to 3 weeks because I am slow. Thanks.

Yaesu FT530 Dual-band HT. 2M and 440 handheld. The most highly rated dual-bander by nearly every amateur radio magazine. With MH-29 mic/keypad/display, E-DC-5B cigarette lighter adapter, FNB 26 1000mah battery, car mount, and NC-42 quick charger. The original battery and trickle charger are included too. This one has the newer Yaesu rubber duck. Excellent+ used condition. Never dropped or mis-handled. Used less than 20 hours in the past 6 months. With original boxes and manuals. \$445

Vibroplex Iambic Deluxe chrome paddles. s/n 4383. As-new in original box with Vibroplex data sheet. \$65

MFJ 406 Deluxe Electronic Keyer. Excellent. \$39

Autek QF-1A audio filter. Dual-notch and band-pass in one box.
With manual. \$45

Eico HFT-90 FM tuner and matching HF-85 "stereo preamp." Very good but tuner has no case. \$35

World Radio/TV Handbooks, As-new: 1979: \$12
1985: \$9
1987: \$9

WWII German aircraft throat mic. With PTT switch, cord and 3-prong plug. No markings but definitely the real thing. \$30

Waterman "Industrial and TV Pocketscope" model S-11A. Brown hammertone. Leather carry strap is broken. Looks and works great. \$49

Argonne AR-3 dynamic mic. 1960's Japanese desk mic with space-age styling. Excellent+ in original box. Huge. \$27

Lambert 135 switch machines for HO turnouts. New in box. \$4 each

RCA BP-10 portable AM broadcast set. Original strap is gone, case needs cleaning. Nice+. \$29

1945 ARRL Handbook. Hardbound library edition. Near-mint.

Military ZB-3 homing accesory set for the WWII command sets and others.
New-in-box: \$65

RCA AVR-104 aircraft radio sets. Brand new in the box. Complete with manual. \$110 each.

GRC-9 receiver sections. Complete, good condition: \$15 each

Complete, brand-new canvas strap sets for the WWII BC-1000 backpack set.
Most never unwrapped. No pads, just straps. \$39 each set.

WWII Dynamotor test stands. Tests all then-current types. Used, good.
\$125 each

ACCEPTING BIDS on BC-611 accessories: Used test sets, brand new crystal cases, with or without crystals, complete coil sets and vertical jeep mounts (used).

CHECK THIS OUT!

Complete WWII U.S. Army camp radio station. Includes low-power AM transmitter, monitor panel, mixer console, mics, cables and 16" turntable plus about 30 brand new original Army-issue 16" records featuring Frank Sinatra and then-current big-bands. "Be the first one on your block...." Everything is used but excellent in some

From ab4el.com Fri Jul 15 14:21:26 1994
From: lhalliday@creo.bc.ca
Subject: Indiana places of note?

I'm going to be in Crawfordsville, Indiana for a few days at the end of the month (Business. Definitely business.), and was wondering if any Boatanchors or QRP folks had any radio-related suggestions - any not-to-miss people/places/happenings? I'll probably fly into Indianapolis (via Chicago) and drive from there.

Portable HF capability is unlikely, but I will of course bring my 2m handheld...

73 from Burnaby,
laura VE7LDH (VE7LDH/W9 week after next)

From ab4el.com Sun Jul 10 01:22:50 1994

From: HAK1%IC%DCPP@bangate.pge.com
Subject: It followed me home.....

Here it is Saturday night after the Foothill swapmeet and a few things followed me home. I found a GRC-14 receiver with FSK module, speaker, and schematic. With a little consulting with Marc I decided to pick it up. Yes, it does have a handle on top and I managed to carry it to my car but now I'd like to find out if anyone here has any experience with these receivers ? This GRC-14 covers 2-30 mc or so, has TONS of bandspread, has an analog dial, runs on 110VAC or 26.5VDC (it came with the 110VAC cord), is double conversion on the upper bands, and is about the size of an R-392. Apparently the Marines used them although this one is olive drab. It was made about 1958. This one is in really good shape (no signs of wear) with just some paint scuffs on the outer case.

I've been wanting a Racal receiver and fortunately I found a 6217E in virtually unused condition. The sticker on it says OPN OK 7/94 from the military ! It works like a charm. Does anyone know where I might find a manual for this receiver ?

I was wearing my CQWW Contest T-shirt which received a few comments from other guys at the swapmeet. There was a good turn out of BA members there. Hi to Marc, Mark, and Rich and there were probably more there that I didn't see.

Howard AD6Y
hak1@pge.com

From ab4el.com Mon Jul 11 09:49:49 1994
From: "Stephen M. Linscott" <LINSCOT@RICEVM1.RICE.EDU>
Subject: Re: It followed me home.....

Howard - I've owned three of the GRC-14 sets - xmtr, rcvr, PS. The receiver has really bad audio, but the main trouble is mechanical stability. There is a solid coupling between the dial on the front panel and the tuning capacitor. You can turn the BFO on, tune a CW signal, and bump the receiver and hear it wobble. If you don't bump the table it's on, it's OK. A fun receiver to play with. I had the manual for the whole setup, but loaned it and forgot to whom! Fair Radio sold the sets and probably has copies. The transmitter is autotune from 2 to 30 mcs, but xmtr & PS together weigh around 200 lbs as I recall. The same rig as done by Collins was the GRC-19 - R-392, T-195 - in a completely different class!

I had the GRC-14 mounted in the back of a 1967 Jeep Ambulance which I got through Navy MARS. I loaded a 15 foot whip with the xmtr, and then used the receiver connector on the xmtr to run an FT-101 to the whip. Worked great. It's kind of neat to dial in a frequency, push the tune button, and listen to the motors tune the final (4X150A) and then load the antenna!

- Steve -

```
*****
*   Steve Linscott      W5EGP          *
*   Office of Computing Services      *
*   Rice University      *
*   Houston, TX          *
*****
```

From ab4el.com Tue Jul 12 16:23:50 1994
From: KANAMAA%AMGATE%MATRXA@randb.abbott.com
Subject: Janes Mil Com book

>From: Kana, Michael (D9CY)
Date: Tue, Jul 12, 1994 10:54 AM
Subject: Janes Mil Com book
To: boatanchors
Howdy All

Just returned from a week long vacation in TX. Other than 480 messages in the mailbox....

My one big purchase was the Janes Military Communications book (92-93) at one of the local used book stores. There were two copies (well, one now...) Anyway, a really neat ref book. I wonder when the goodies on the inside will make their way to the surplus market??

Also, visited with some of the BA crowd in Austin. From what I understand, Paul (keeper of the BA mailer) is still out of town to take care of some business. We look forward to his return to the net.

73's de AA9IL
Mike Kana

From ab4el.com Fri Jul 15 14:30:35 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: Johnson Key

Someone wanted a Johnson straight key I posted recently, but I've seen no \$\$\$.

Fess up and pay up!

73

Jim

From ab4el.com Thu Jul 14 14:16:07 1994
From: rdkeys@csemail (R. D. Keys)
Subject: L<oo>king for the elusive dynamotor

Hi Boatanchorites:

I am looking for an elusive dynamotor that has escaped my paws for some years now.

I have a perfectly fine BC-375 and BC-348 in good working condition, but for some reason I am unable to find (over the past 10 years) a complete runnable 28 volt dynamotor for the BC-375. If anyone has one laying around that you are not going to use, I would appreciate a try at it.

I can get the beast running with a spare 450 volt dynamotor that I have cobbled together, but it only puts out 5 watts (QRP) for sure. The original dynamotor was 1000 volts, and should make it run about 50 watts out.

So, if any Boatanchorites have the GE (BD-77?) 28 volt dynamotor gathering dust and are unable to use it, kindly let me at it.

(Yes Mabel, I do have a 100 amp 28 volt supply to run the beast with!).

Thanks, all Boatanchorites....

73 TU SU SK DE NA4G AR

Bob

From ab4el.com Sun Jul 10 20:30:47 1994
From: "Menachem Galatz DC" <mgalatz@panix.com>
Subject: Matching transmitter for the R390A?

Hi Guys

Was there such a thing as a matching transmitter for the R390A?

Also, was there ever such a thing as a RTTY device for the R390A that would output to a video monitor instead of hard copy TTY?

Thanks
Menachem

From ab4el.com Fri Jul 15 12:51:04 1994
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: Matching Xmtr for R-390

to: boatanchors@gnu.ai.mit.edu

Hello Menachem

The military DID have a matching transmitter for the R-390, but that rig came along late in the game. Originally the R-390 series was intended for intelligence work (signal intercept, or snooping on enemy transmissions), and later it was used in point to point communications, like long haul teletype and CW circuits. Obviously, this type of application didn't need a matching transmitter. A typical military receive site would have racks and racks of R-390 / 390A receivers connected to the best antenna systems the military could erect. An example of this type of setup was Sobi Camp on Okinawa: concrete blockhouse several stories deep, and literally dozens of huge Rhombic antennas spaced a few degrees apart. This setup monitored Red Chinese military radio traffic from mainland China all through the 1950s and 60s.

During the 50s and early 60s, the R-390 and 390A were classified SECRET, and they were, simply, the finest communications receivers available anywhere, and at any price.

Eventually (like about 1955 or 60) the radio was declassified, and it was used in other systems, some of them 2 way. In those cases it was usually paired up with the T-368 transmitter. This monster is about 600 pounds, and runs 400 watts of AM voice and CW telegraphy. This pair, along with crypto and teletype gear, were installed in a portable shelter that installed in the back of an Army "deuce and a half" truck.

It's alleged that the State Department owned / owns a bunch of 390 / 390A sets for use at embassies and counsulates. I would imagine they're there to act as a communications link with Washington when more conventional means aren't in service. In any event that's the rumor behind all the sets that have appeared bearing nomenclature plates which do not identify the sets as military property (I've got one of these, built by Electronic Assistance Corporation. It seems to be better made mechanically than the military sets I've seen / owned).

Re. R-390 and RTTY;

I use the rig for RTTY intercept / snooping, and it does an excellent job in this application.

The "line" audio output is ideal for connecting to the audio input of the various digital decoder boxes that are currently on the market.

Tom, K9TA

From ab4el.com Mon Jul 11 15:13:57 1994
From: "Mark Glusker" <glusk@mechcad3.esd.sgi.com>
Subject: Metal vs. Glass Tubes

What is the common wisdom regarding the interchangeability of glass and metal tubes of the same number (specifically 6H6 and 6H6WGT)?

From ab4el.com Mon Jul 11 23:19:57 1994
From: "Kenan, Larry" <larryk@frick.sandiegoca.NCR.COM>
Subject: Re: Metal vs. Glass Tubes

>What is the common wisdom regarding the interchangeability of glass and
>metal tubes of the same number (specifically 6H6 and 6H6WGT)?

The metal shell is used for a shield (pin 1) so if you go from metal to glass you might have to use an external shield. It would have been bad practice but check to make sure that pin 1 on a glass tube's socket was not used for a tie point other than ground.

Switching in either direction M>G or G>M will change the plate capacity to ground. In the case of RF stages realignment may be necessary. This is especially true of mixer-oscillator tubes such as the 6SA7. Broadcast band stuff is not much affected but the HF boatanchors are prone to this effect.

The G and GT variations are just bulb size differences.

Larry Kenan - KD6CKR

From ab4el.com Wed Jul 13 05:44:06 1994
From: censun1!gc@uunet.uu.net (Gary Chatters)
Subject: More on BRATSfest

I am not such a good reporter, so I'll just add a bit to Bob's nice report on the BRATSfest.

I was not overly impressed by this hamfest. But it was good sized and there is always something of interest at any hamfest.

For the VHFer there was the Seneca for \$35 as mentioned by Bob. Also a 6M Gonset Communicator III for \$25 and a G-50 (forgot the price).

A couple of things that I haven't seen much of at other hamfests: two SP-200 receivers (I frequently see SP-600s), also an RME6900.

The find of the fest: A lot of hamfest go-ers are looking for a super deal on a Collins S-Line. I might like to do that too, but I like looking for strange but useful little things I've never heard of. Sometimes I'll even buy it. At the BRATSfest the find was a TSA-2 Telegraph Signal Analyzer made by Towaco Electronics of Towaco, NJ. It is actually a TTY analyzer (not Morse code) and has a CRT to display signal bias. Asking price \$17, sold for \$10 (after an initial offer of \$5).

Gary

From ab4el.com Wed Jul 13 06:18:14 1994
From: censun1!gc@uunet.uu.net (Gary Chatters)
Subject: More on BRATSfest

I am not such a good reporter, so I'll just add a bit to Bob's nice report on the BRATSfest.

I was not overly impressed by this hamfest. But it was good sized and there is always something of interest at any hamfest.

For the VHFer there was the Seneca for \$35 as mentioned by Bob. Also a 6M Gonset Communicator III for \$25 and a G-50 (forgot the price).

A couple of things that I haven't seen much of at other hamfests: two SP-200 receivers (I frequently see SP-600s), also an RME6900.

The find of the fest: A lot of hamfest go-ers are looking for a super deal on a Collins S-Line. I might like to do that too, but I like looking for strange but useful little things I've never heard of. Sometimes I'll even buy it. At the BRATSfest the find was a TSA-2 Telegraph Signal Analyzer made by Towaco Electronics of Towaco, NJ. It is actually a TTY analyzer (not Morse code) and has a CRT to display signal bias. Asking price \$17, sold for \$10 (after an initial offer of \$5).

Gary

From ab4el.com Wed Jul 13 05:58:02 1994
From: ki5sl@ki5sl.ampr.org
Subject: Multicouplers

Just a short note about the CU-168/FRR antenna couplers....I use the Air Force equivalent, the CU-656 and I think it is a great way to go! Mine has one line in and eight out, all with easily changeable "C" type connectors, I used BNC and SO-239's both on the back of mine, and I have an HRO-60, an NC-183D, a Hammarlund HQ-180, an HQ-215, Collins 51-J4, R-390/URR, and still have room for two more....I have described this in the past, and all radios are muted by relays on the BC-610 and the 32V-2 that control a 12VDC source for muting relays and voltage sources for individual receivers.

In my multicoupler there are a couple of hi-pass filters that have BNC connectors on them. Their purpose is to block signals below 2 MHz....needless to say, I bypassed mine so that the radios could be used on BC stations...

The drawback to the CU656 is that there are 20 vacuum tubes in them! This unit does an admirable second job as a space heater, which with the nearly 100 degree weather we have here in San Antonio makes summertime usage increase my airconditioning bill!

In closing, I like mine, and only wish that I could talk a buddy of mine out of his solid state equivalent (for summer use only, haha!).....but after using one, it would be hard to go back to not using one and switching antennas with a manual switch.

73 from Texas
Rick Blank
ki5sl@sat.ampr.org
44.76.2.148
2223 Blanco Road
San Antonio, Texas 78212
.

From ab4el.com Fri Jul 15 12:24:29 1994
From: JosephWP@aol.com
Subject: multicouplers

Rick,

Mil-Com in Florida has brand new solid state (gasp!) westinghouse multicouplers (or did). Cannot remember the mil designation, but I got one and am well pleased with it.

Joseph +

From ab4el.com Wed Jul 13 18:34:34 1994
From: haynes@cats.ucsc.edu (Jim Haynes)
Subject: Re: Multicouplers

>From ki5sl@ki5sl.ampr.org Wed Jul 13 10:42:19 1994
>Subject: Multicouplers

>In closing, I like mine, and only wish that I could talk a buddy of mine
>out of his solid state equivalent (for summer use only, haha!).....but after
>using one, it would hard to go back to not using one and switching antennas
>with a manual switch.

This reminds me of a topic I've been meaning to bring up. Perhaps it's considered sacrilegious in some quarters, but there was the technology a while back of replacing vacuum tubes with a circuit made from FETs. I remember the name "FETrons" as a commercial version of this - originally some FET company was making a bunch of them as replacements for Western Electric 407-A and 408-A tubes in telephone carrier systems. And there was an article in some ham magazine about them, and there was some company for a while that advertised in ham magazines that they made them for use in Collins S-line gear I think. Last time the topic came up somebody told me that was an article about it in the book, "The Art of Electronics" by Horowitz and Hill, but I couldn't find it in there. So does anybody have information about this? Has anybody put it to use in their BAS?

From ab4el.com Thu Jul 14 00:00:32 1994
From: "Stephen M. Linscott" <LINSBOT@RICEVM1.RICE.EDU>
Subject: Re: Multicouplers

We replaced all the tubes in our S-line at the IBM club station at Clear Lake (JSC). The FETrons stayed in for about 6 months, and then we put the tubes back in. The overall performance was below par, even after many realignments. Besides, they just didn't SOUND right This was 10 years ago.

- Steve -

* Steve Linscott W5EGP *
* Office of Computing Services *
* Rice University *
* Houston, TX *

From ab4el.com Thu Jul 14 15:23:42 1994

From: HAK1%IC%D CPP@bangate.pge.com
Subject: re: Multicouplers/FETrons

Many years ago I picked up a bunch of Tubesters (FET's) for my Collins S Line equipment. I didn't replace all the tubes but replaced the oscillators and areas that didn't handle signals. The replacements were very satisfactory, especially the VFO. I wound up with one receiver that didn't drift a perceptable amount from cold turn on. In the past year I obtained a nice 75S3B that was original and from my past experiences with the Tubesters I wanted to replace the VFO tube. Since the Tubsters are no longer available I went looking for the FET plugins that were made by Teledyne for HP and Tek equipment. There was one made that was RF capable and substituted for a 6AU6. I can't remember the complete number of the FETron but the last digits were -18. I found one at the Foothill swapmeet and plugged it into the 75S3B. Perfection resulted and a little tweek put the calibration back on. Now that I know those Teledyne FETrons work I'm keeping my eyes peeled for more of them. I do not recommend wholesale replacements of the tubes in radios but there are some places like oscillators where the FET replacements are ideal.

Howard AD6Y
hak1@pge.com

From ab4el.com Fri Jul 15 13:51:56 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: Nye-Viking Key

Okay, it isn't a Johnson Straight Key, it's a Nye-Viking, with enclosed contacts in the base. Black wrinkle, Navy knob. Somebody wanted it and never sent the check, so it's for sale again: \$30 including shipping in US.

Jim Kearman

jkearman@arrl.org

From ab4el.com Fri Jul 15 11:37:06 1994
From: JosephWP@aol.com
Subject: PT0

Rick,

I have a working 51J PT0. I was recently checked by Butch, K0BS, and is OK. Its at the end of its ability to do end point adjustment, but Butch expects it to be OK for years.

Joseph +

From ab4el.com Fri Jul 15 14:27:11 1994
From: rdkeys@csemail (R. D. Keys)
Subject: Re: PTO rebuilds for ancient collins boatanchors

>
> Rick,
>
> I have a working 51J PTO. I was recently checked by Butch, K0BS, and is OK.
> Its at the end of its ability to do end point adjustment, but Butch expects it
> to be OK for years.
>
> Joseph +
>
>
>
>

Speaking of ancient collins PTO rebuilding.....

Does anyone have a good procedure to properly set up and align
PTO's. A long time ago I ran across one, but alas, it is now defunct.
I have several that I would like to tackle. I have routinely
oiled and serviced them but never had to realign or ``linearize'' them.
I would like to get the proper procedures to be able to do just that.

Any info is appreciated.

73 TU SU SK DE NA4G
Bob

From ab4el.com Mon Jul 11 11:40:08 1994
From: Anderson_Neal@lanmail.ncsc.navy.mil
Subject: R-390A SPLINE WRENCH

I just picked up the 0.096 inch spline wrench I had ordered from Snap-On
Tools. It is their part #MS 8 and cost \$1.50. It is an "L" wrench the
same length as a similar sized allen wrench. Will this be long enough
for the innards of the R-390A?

My local electronics supply store has an Xcelite spline wrench set with a screwdriver handle and LONG interchangeable spline tips, but it is about \$45!

Neal N4UYR

From ab4el.com Mon Jul 11 08:13:17 1994
From: Clark Fishman (FSAC-FCD) <cfishman@PICA.ARMY.MIL>
Subject: R391

The R391 is like a R390 but the IF amp does not have mechanical filters for selectivity...it uses tapped IF transformers....

Clark Fishman WA2UNN

From ab4el.com Mon Jul 11 13:15:41 1994
From: bill@rosevax.rosemount.com (William Hawkins)
Subject: Re: R391

>The R391 is like a R390 but the IF amp does not have mechanical
>filters for selectivity...it uses tapped IF transformers....
>
>Clark Fishman WA2UNN

Well, no, the filter/transformer difference is the "A" version of each (A has the filter). A 391 is an autotune 390 and a 391A is a mechanized 390A.

From ab4el.com Wed Jul 13 00:23:36 1994
From: Nick England <nick@cs.unc.edu>
Subject: re-posted For-Sale

PLEASE DON'T REPLY TO ME - I KNOW NOTHING ===
=====

>From pauls@tellabs.com Tue Jul 12 18:04:24 EDT 1994
Article: 12705 of rec.radio.swap
Newsgroups: rec.radio.swap
Path: ashe.cs.unc.edu!concert!gatech!howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!news.eecs.nwu.edu!tellab5!pauls
>From: pauls@tellabs.com (Paul Silver)
Subject: Antique ham radios for sale!
Message-ID: <1994Jul11.221532.11253@tellab5.tellabs.com>
Sender: news@tellab5.tellabs.com (News)
Nntp-Posting-Host: sunw14
Organization: Tellabs, Lisle,IL

Date: Mon, 11 Jul 1994 22:15:32 GMT
Lines: 18

For sale: antique ham radio equipment! Here's what's left since last post:

Gonset G-50 6 meter transceiver (50 watts, VFO, AM)
includes microphone and user manual

Heathkit "The Sixer" 6 meter transceiver (single channel, AM, portable)
includes microphone, AC cord, 12V adapter, user manual)

Make an offer. Send e-mail to pauls@tellabs.com

--

"Life is inhuman when you are too old to be young." -Bill Nelson

/ Paul Silver / Radius Records /
/ pauls@tellabs.com / PO Box 723, Lincolnshire IL 60069 /

All opinions expressed are strictly my own, unless I stole them.

From ab4el.com Wed Jul 13 23:57:50 1994
From: ki5sl@ki5sl.ampr.org
Subject: Re:51J2

Yep, Larry, a 51J2 is an early version of the 51J3...if the price is right, go for it! I love my 51J4 and my R-388 (which needs a working 70E-15 PT0, any out there?) and finding stations with them is a lot easier than on the NC-183D or the HQ-180...the 1KC dial resolution is much better than 5 or 10 KC's...

Just my opinions, but, I'd do it!

73 from Texas
Rick Blank
ki5sl@sat.ampr.org
44.76.2.148
2223 Blanco Road
San Antonio, Texas 78212
.

From ab4el.com Tue Jul 12 23:14:39 1994
From: "James C Reid" <0093373@CCMAIL.EMIS.hac.com>
Subject: Re:Case of the Muddy Marauder

A good friend of mine used to collect television sets. The first thing he'd do before even plugging it in was to pull the back off and hit the thing with a low pressure soap and water mixture. After soaking for a few minutes, he'd hose it out with clean water and then used compressed air to blow what remaining water was in the chassis. He then moved the set to his "staging area" and let it sit outside for about two weeks to dry. I thought this was the most bizarre thing I'd ever seen and that he was surely ruining the sets, but he proved me wrong every time. Since then I have tried on a couple sets myself with no failures due to the water treatment. If it worked for the TV's, I see no real reason it wouldn't work for the Marauder other than maybe some problems with dial scale markings, etc.

-Jim

From ab4e1.com Wed Jul 13 19:42:15 1994

From: drs@ccd.harris.com (Doug Snowden)

Subject: Re:Case of the Muddy Marauder

When I was a Tech in the USAF, my "Sarge" would have us occasionally take equipment out of racks and hose them down . We then put them in an oven at just warm temp for a day or so. It scared me too. And the equipment was a lot trickier to adjust...

Doug

From ab4e1.com Wed Jul 13 06:36:55 1994

From: "PMD G.SIFAKIS" <pmidsif@isoft.intranet.gr>

Subject: Re: Re:Case of the Muddy Marauder

>low pressure soap and water mixture. After soaking for a few minutes, he'd hose
>it out with clean water and then used compressed air to blow what remaining
>water was in the chassis. He then moved the set to his "staging area" and let

Very recently I broke a little bulb (the antenna discharge) on a R-388 trying to clean it with compressed air. Let's be careful..

George SV0KA

From ab4e1.com Thu Jul 14 14:01:20 1994

From: "Kearman, Jim" <jkearman@arrl.org>

Subject: RE: Re:Case of the Muddy Marauder

Doug Snowden says:

>When I was a Tech in the USAF, my "Sarge" would have us occasionally take
>equipment out of racks and hose them down . We then put them in an oven at
>just warm temp for a day or so. It scared me too. And the equipment was
>a lot trickier to adjust...

Before I went in the service (I was an AF tech, too!), I worked for the Motorola two-way shop in Buffalo, in 1965. Among others, we had the contract for the city of Buffalo, including the sanitation department. Their radios sat behind the seats and got amazingly filthy, considering the cabinet they were housed in. We'd drop these radios in a big tub and hose them down with pressurized trichloroethane, which we now know is a carcinogen (what isn't?). The solvent evaporated pretty fast, and it didn't take much to get the radios retweaked. We usually had a spare radio on hand though, especially in the summer, so we could get the smelly garbage trucks out of the garage (we had a BIG garage) fast.

People I know who've repaired radios dropped into salt water, tell me they rinsed them out with tap water ASAP, and replaced the speaker. This was solid-state stuff, without transformers into which water could creep and remain. Drying in the hot sun for a few days is probably a good idea.

73

Jim, KR1S

From ab4el.com Thu Jul 14 16:57:40 1994
From: Greg Dermer <dermer@SSD.intel.com>
Subject: RE: Re:Case of the Muddy Marauder

Has anyone had the nerve to try the "hose method" on an R390a?

If so, was it successful? What was your technique?

Greg WA9WUM

From ab4el.com Sat Jul 9 14:41:13 1994
From: CHRIS _ PRUSSING <RMCP@tundra.alaska.edu>
Subject: Re; Wrinkle paint

Hi Tom and Black Iron fans-
Wrinkle paint touch up and refinish is deceptively difficult to do well.
So I am confessing to describing the easy (not perfectionist) way out.
I have performed the following on several Skybuddies, HROs, and NC-*. *
Note that Hallicrafters from S-19 up are more of a textured/rough than

a crinkle/wrinkle. Look carefully!

Also avoid hardware store stuff called Hammerite! 'Nuff said.

If problem is just discoloration/rust/fading, mask any lettering with newspaper border tape (office supply store) and give the rig a light spray of barbecue enamel (X-0 rust, true-Value, whatever). Available in flat black, satin (preferred for most rigs) or gloss. The border tape is the secret- cut it to just cover the letters horizontally, and it should be just the slightest bit wider tape to cover the lettering. A final covering of Renaissance or other restorers wax (or the new Armor-All unshiney variety) will blend them in with the sprayed panel.

If the paint is badly scratched (note that above treatment takes care of scuffs, minor scratches), or missing- decision time;

You could order a can of Wrinkle Finish Black is SF-227, Grey is SF-701 either is \$4.69 from Antique Electronic Supply

Box 27468

Tempe AZ 85285

and use it to touch up the large chipped/ scratched areas using same sparing techniques one employs on parking lot blemishes done to the Accord.

But do not underestimate the difficulty of getting a convincing refinish of the whole radio by stripping and refinishing. If anyone else has come out with a good job, I'd like to hear how- especially the re-lettering part! My alternate method-

Skip the can of wrinkle paint. Go to the artsy-craftsy store and get a block of Sculpey III Modeling compound. You will also need small tube of FRESH spot putty from the car guys place.

Put some silicon spray on a good area of the radio and make an impression of the wrinkle pattern on the Sculpey block. Bake the block 20 min. @275 degrees in oven (while you are removing the silicon spot from the radio). Practice (not on the radio) spreading a thin layer of spot compound (this is just thick primer) and pressing the Sculpey pattern mold into it. Get the picture?

After you have the technique down, do the radio areas. Finish off with the barbie paint to cover the textured primer.

The spot putty dries very fast, so you may have to thin it with lacquer thinner (slow dry kind)-but best is to get down the technique of applying spot putty quickly with plastic spreader and quickly imprinting it with silicon-sprayed Sculpey mold.

Anyone have an NC-100 for sale/trade I can perfect this on?

Jim Dillon RMCP@Tundra.Alaska.Edu

From ab4el.com Mon Jul 11 14:31:49 1994

From: Scott_Johnson-AZAX60@email.sps.mot.com

Subject: RE>R-390A SPLINE WRENCH

Reply to: RE>R-390A SPLINE WRENCH

You can purchase individual bristol bits for the Xcelite 99 series handle for about \$ 2.50 ea. from Jensen tools or Techni-Tool.

Date: 7/11/94 09:34

To: Scott Johnson

>From: Anderson_Neal@lanmail.ncsc.nav

I just picked up the 0.096 inch spline wrench I had ordered from Snap-On Tools. It is their part #MS 8 and cost \$1.50. It is an "L" wrench the same length as a similar sized allen wrench. Will this be long enough for the innards of the R-390A?

My local electronics supply store has an Xcelite spline wrench set with a screwdriver handle and LONG interchangeable spline tips, but it is about \$45!

Neal N4UYR

From ab4el.com Thu Jul 14 00:40:25 1994

From: Scott_Johnson-AZAX60@email.sps.mot.com

Subject: RE>Re- Multicouplers

Reply to: RE>Re: Multicouplers

I thought it was "fetrodes", but anyway, I believe Teledyne made some. The ones I own were for some piece of HP gear. I'm sure there were others. I have a whole bag of them somewhere. I believe that Heathkit offered a couple of solid state replacements for their vtvm's which used a 12AU7 and a 6AL5.

Date: 7/13/94 16:19

To: Scott Johnson

>From: haynes@cats.ucsc.edu@azbcsml

>From ki5sl@ki5sl.ampr.org Wed Jul 13 10:42:19 1994

>Subject: Multicouplers

>In closing, I like mine, and only wish that I could talk a buddy of mine
>out of his solid state equivalent (for summer use only, haha!).....but after
>using one, it would hard to go back to not using one and switching antennas
>with a manual switch.

This reminds me of a topic I've been meaning to bring up. Perhaps it's considered sacrilegious in some quarters, but there was the technology a while back of replacing vacuum tubes with a circuit made from FETs. I remember the name "FETrons" as a commercial version of this - originally

some FET company was making a bunch of them as replacements for Western Electric 407-A and 408-A tubes in telephone carrier systems. And there was an article in some ham magazine about them, and there was some company for a while that advertised in ham magazines that they made them for use in Collins S-line gear I think. Last time the topic came up somebody told me that was an article about it in the book, "The Art of Electronics" by Horowitz and Hill, but I couldn't find it in there. So does anybody have information about this? Has anybody put it to use in their BAs?

From ab4el.com Thu Jul 14 01:28:17 1994
From: Scott_Johnson-AZAX60@email.sps.mot.com
Subject: RE>Re-Case of the Muddy Mar

Reply to: RE>Re:Case of the Muddy Marauder
I have used the hose method judiciously for years and have never had a problem. Just be careful with things like transformers, IF's, paper cased electrolytics, etc. I also use the air hose after the sprayoff (along with Simple Green) and do the final rinse with mineral free water. I use the Arizona sun for drying, but a low oven works well too. For further info, see Stan Griffiths' book "Oscilloscopes: Selecting and restoring a Classic"

Date: 7/13/94 17:42

To: Scott Johnson

>From: drs@ccd.harris.com@azbcsml

When I was a Tech in the USAF, my "Sarge" would have us occasionally take equipment out of racks and hose them down. We then put them in an oven at just warm temp for a day or so. It scared me too. And the equipment was a lot trickier to adjust...

Doug

From ab4el.com Fri Jul 15 12:51:28 1994
From: Kevin E. Schmidt <w9cf@ptolemy.la.asu.edu>
Subject: Restranging the dial cord on an SX-99

I need to restring the dial cord for the bandspread dial of my SX-99.

I have an SX-110 as well and I can use its manual for everything else. The only difference between them that I can tell is the SX-110 uses a "slide rule" dial while the 99 uses a round dial. The dial cord restringing is quite different. My attempt at guessing the proper string route has failed.

(As an aside, I think Hallicrafters made another cosmetic change to this receiver after the SX-110, giving it yet another number)

Would someone please send me a description, copy, or sketch of the dial cord restringing procedure? I will of course reimburse you for expenses and associated pain and suffering.

Thanks,
Kevin

=-----

Kevin Schmidt w9cf@ptolemy.la.asu.edu
Department of Physics and Astronomy
Arizona State University, Tempe, AZ 85287-1504
(602) 965-8240
(602) 965-7954 (FAX)

From ab4el.com Sat Jul 9 21:54:39 1994
From: ALLEN_RM@delphi.com
Subject: S

allicrafters SX-42 Help Needed
Hey Guys,

I've got a problem with my newly acquired Hallicrafters SX-42. When I turn it on, I hear an intermittent "frying" sound through the speaker, accompanied by a dimming of the meter lights. Seems like something is arcing or shorting. Otherwise, it works fine.

The condition usually persists for no longer than a second, and doesn't happen so much after the rig has warmed up for 15 minutes or so. The problem is getting progressively worse however. When I looked under the lid, I noticed one tube that glowed bright neon blue instead of the dull orange of the others. The "neon" tube is an OD3-VR150. The other tubes used in this rig are (2) 6V6, (1) 6SL7, (1) 5U4G, (1) 6SG7, (1) 6SK7, (2) 6H6, (2) 7H7, and (1) 7A4.

A Hallicrafters repair bill included with the radio, dated 1965, reads as follows:

"Replaced leaking .05 bypass condenser in 1st RF AVC circuit --
Replaced worn RF control -- 1st RF tube low emission replaced -- RF section
noisy, cleaned & lubricated band switch contacts & gang wipers -- wire
disconnected from mixer coil, repaired (band #4) - wrong value (3.3k)
resistor replaced with correct value (330 Ohm) off 3rd band mixer coil."

Any help you can offer to help heal this ill BA would be appreciated.

73, Bob / WD5V Ft. Worth

From ab4el.com Thu Jul 14 00:38:40 1994

From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: S. Milwaukee Hamfest Rpt.

to: boatanchors@gnu.ai.mit.edu

SOUTH MILWAUKEE / OAK CREEK HAMFEST BOATANCHOR REPORT

- Hallicrafter's "Sky Buddy", \$65.00. Decent shape.
- Hallicrafter's SX-100, \$175.00. Good shape, but if you moved the decimal one place left I still wouldn't buy an SX-100!
- Collins R-392, two examples seen;
 - One unit, good shape, power connector + homebrew supply, military audio junction box w/ two military speakers, all for \$225.00.
 - One unit, receiver only, good shape, \$200.00.
- "Command" sets, modified but neatly done, good shape, most with military mounting racks. Several receivers (a BC-453 "Q-Fiver" w/ rack and homebrewed AC supply / 80 - 40 converter followed me home). Several transmitters; a T19/ARC-5 (3 to 4 MHz) followed me home, and I'm STILL kicking myself for leaving a T21/ARC-5 (2.1 to 3 MHz)! Your choice, \$15.00 per unit, 2 for \$25.00. ALL dissappeared as they were hitting the pickup tailgate; owner was nearly trampled by the crowd! Yours truly managed to buy all of the receiver spinner knobs for \$2.00 a pop before the older troops caught on.
- Gonset "Goony Box" communicator, aircraft band version. Good shape, \$75.00 (WAY overpriced, and I think it went back home!).
- Hammarlund HQ-170, fair to good shape, \$165.00.

THE BIG ONE THAT GOT AWAY (BECAUSE I DIDN'T GET TO MY WALLET FAST ENOUGH!)

- Hallicrafters "Cyclone" transceiver w/ AC supply, good shape, \$200.00.

THE ODDBALL OF THE DAY THAT FOLLOWED ME HOME

- Hallicrafter's "Sky Courier" portable. Poor shape (from the loving care of a teenager who repainted it and covered it with model car decals), but restorable. Radio appears to be a military issue "morale radio" for troop entertainment, circa WW2. 550 - 1600 KHz, and 2500 - 20,000 KHz. Mucho olive drab wrinkle paint where the kid's spray can didn't go. \$3.00.

If ANYBODY out there has ANY info on a "Sky Courier" (a schematic would be

GREAT), send a message. Also, I need tubes 1N5GT and 1H5GT (open filaments on both).

Mr. T, K9TA

From ab4el.com Thu Jul 14 01:15:31 1994
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: S. Milwaukee Hamfest Rpt.

to: boatanchors@gnu.ai.mit.edu

SOUTH MILWAUKEE / OAK CREEK HAMFEST BOATANCHOR REPORT

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If ANYBODY out there has ANY info on a "Sky Courier" (a schematic would be GREAT), send a message. Also, I need tubes 1N5GT and 1H5GT (open filaments on both).

Mr. T, K9TA

From ab4el.com Fri Jul 15 11:27:51 1994
From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>
Subject: SELL: Hivoltage Filter Cap

QRP-ers ALERT! You can use this thing for your antenna!

----- Forwarded message begins here -----
>From: Ray Muschlewski <raym@omnifest.uwm.edu>
15 Jul 1994 01:18:59 -0500
Newsgroups: rec.radio.swap
Subject: SELL: Hivoltage Filter Cap

Hi,

I have a Cornell Dubilier Mod. LPC 102-1 Filter Capacitor rated at: 8KVDC @16MFD. It is in new unused condition. Physical dimensions are: 12" high (including terminals) X 8" wide X 6" deep. Weight Approximately 30#. Price: \$50.00 plus shipping. Contact Email: raym@omnifest.uwm.edu

###

----- Forwarded message ends here -----
-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From ab4el.com Thu Jul 14 16:43:31 1994
From: haynes@cats.ucsc.edu (Jim Haynes)
Subject: speaking of tube-to-FET conversions

I was flipping through Antique Radio Classified the other day and there was an ad for solid-state "wafers" to restore function where tubes have gone bad. The picture wasn't real good, but they go on the bottoms of UV-type tubes, those that have the push-and-turn bayonet sockets and very short pins.

From ab4el.com Tue Jul 12 05:57:41 1994
From: X90GALBRAIT1@wmich.edu

Subject: Swan-Sell or Swap?

For sale or swap,
One Swan 500 with 230XC p/s+speaker (chock full o' tubes+a couple siliconies). Works good, looks nice+.
B/O or swap for BA rx,tx,tuner,or (insert goody here).

May your filaments glow, and your BA collections grow!

73,
Chris KA8WFC
x90galbraith1@wmich.edu

From ab4el.com Thu Jul 14 16:23:23 1994
From: CHRIS _ PRUSSING <RMCP@tundra.alaska.edu>
Subject: SX-28 variations

Hi Skyriders-

Bruce B commented on his quest for a righteous SX-28. One showed up at my door a couple weeks ago- in 2 boxes (If you want to mail one of these, remove the cabinet and the steel cover over the front-end tubes/tuning cap). The 'new' one is really nice, the old one (which will soon be for sale/trade) has been brought back from boneyard of Mare Island Naval Shipyard to pretty good shape (over the years I have found original knobs, posts, carrier meter, shafts, and now, finally, a cabinet. (Bruce, if you are interested in this rig, I am up for suggestions on restoration of cabinet finish- the original Halli sand cast textured gray is a real challenge).

In the process of working over the two radios, I have discovered some differences which perhaps others could comment on.

First, both radios are nominally SX-28 (not SX-28A which has removable permeability tuned modules in front end). Radio A (my first) is serial H-167067 manual that came with has Mare Island Navy Stamp. Radio B is serial H-151245 and appears to have been a civilian all its 50 years-has cabinet. Radio A has spent its life in a rack.

Radio A matches Hallicrafters civilian instruction book 94X004 (one with Navy stamp on it). Radio A does not use the First RF tube (6AB7/1 1853) for bands 1 and 2 (.55-1.6, 1.6-3.0) and thus has no coils/trimmers for those bands. Radio B has First RF active on all bands with the coils added in the front end.

Does anyone have a schematic for SX-28 in which at the upper left hand corner there are more than four RF input coils (T9-T-12 labeled 3, 4, 5, 6)? I'd like to have a copy.

Reason I am interested, is that this specimen is not very hot on band 6 and I would like an accurate schematic for this rather significant front-end variation.

Anyone have any thoughts on why many Hallicrafters "big rigs"- SX-28 -42, -62 etc have such poor higher band performance as

compared to S20R (or virtually any other brand)?

There was a post last week re: SX-42 in which a wrong value resistor was found in the front end.

Just recently I found an open 1000 ohm 1/2 watt and an open RF coil in an SX-110. These seemed to traceable to a near hit by lightning, but has anyone else some Hallicrafters front-end problem war stories?

Thanks Jim Dillon RMCP@Tundra.Alaska.Edu

From ab4el.com Fri Jul 15 10:21:06 1994

From: Hugh D. Stegman <driver8@red-eft.la.ca.us>

Subject: Re: SX-28 variations

Jim writes:

>Anyone have any thoughts on why many Hallicrafters "big rigs"-
>SX-28 -42, -62 have such poor higher band performance [...]

Seems like a "feature" all right. SX-62 was red-hot up to maybe 20 MHz, but when switched to the next higher band it lost some of its gain.

Could be a consequence of switching in the RF stages. I recollect that this radio has a couple of these, configured by the band switch, a hairy thing with something like 12 sections, ahead of a loctal-tube converter (7F8?). I know that my father's version of same went dead one day, and ultimately I opened it up and found that a B+ bypass cap had shorted to chassis and literally exploded. Unfortunately, it took some RF circuitry with it, and this was way too buried to work on... I wound up bridging around it on the one band and then this band lost about 3 dB too.

Anyway, it may sound sacreligious, but a solid state preamp ahead of the front end can really wake these old boxes up.

Hugh NV6H

From ab4el.com Mon Jul 11 12:30:45 1994

From: Joe Reda/HQ/3Com <Joe_Reda/HQ/3Com%3COM@3mail.3Com.COM>

Subject: Two questions . .

I have a couple o' questions for you lovers of, as someone put it, *real* antiques. I've just picked up an RCA Victor RAE-84 with push-pull class B type 46 tubes on the output audio and a type 82 mercury-vapor rectifier. Anyway, someone replaced the power transformer and I suspect all they had available was a transformer with a 5-volt rectifier filament

winding, because there was a type 80 in the rectifier socket. My question is, I know that they used 82s for class B circuits because the tube provided better regulated voltage than the 80. I can get a more "exact replacement" power transformer from Antique but I'd rather not spend the \$50 if I don't need to. Any consequences of operating P-P 46s with a plain 'ol 80?

Secondly, (please don't laugh), is **anyone** still making blank recording discs? This radio has recording capabilities and my roommate is really wanting to make records!??!

Thanks! Joe KC6TXU

From ab4el.com Sun Jul 10 02:04:11 1994
From: David Josephson <david@josephson.com>
Subject: VHF FM BA for free

Bought from a note on this list a few months ago, wasn't quite as the previous owner thought, now available free to anyone who wants to pick it up in San Jose.

PYE VHF FM base station, late 60's vintage, made in England, solid state rx, all tube tx, 60 watt. Operates on 4 crystal controlled channels 148-174 MHz. Crystals in ovens, presently on 4 VHF RCC radiotelephone channels (1, 5, 9, and 13) as a mobile unit (probably was used as a remote telephone for a camp or ranch without a phone) with some sort of rotary dial signaling decoder.

Basic design covers 25-174 MHz but coils and caps set range to 148-174 MHz. Will probably tune 2m without mods, will tune down to 132 MHz with only cap changes according to manual.

RX, TX and decoder on separate 19" rack panels in baby blue cabinet 20 x 14 x 18. Includes all tubes, seems complete except for t/r relay missing and some interunit wiring cut.

Includes complete manual with schematics.

Reply by email or call 408-258-1236.

--

David Josephson / Josephson Engineering / San Jose CA / david@josephson.com

From ab4el.com Mon Jul 11 12:42:19 1994

From: censun1!gc@uunet.uu.net (Gary Chatters)

Subject: VR tubes (Was: Re: hELp Needed with Hallicrafters SX-42)

In asking about his SX-42, Bob writes:

>The problem is getting progressively worse however. When I looked under the
>lid, I noticed one tube that glowed bright neon blue instead of the dull
>orange of the others. The "neon" tube is an OD3-VR150. The other tubes

Considering that not everyone on the list is an old timer, maybe
a quick summary of VR tube technology is in order. Here is a summary
of what I know, plus a couple of questions. Of course, some of
you may have corrections to what I "know". :-)

- Voltage Regulator (VR) tubes are supposed to glow.
- VR tubes are not "vacuum" tubes. They are filled with a specific gas. I would guess the pressure is rather low.
- The conventional type number (e.g. OD3 = "Zero" "D" "Three") gives the filament voltage: zero. That is, there is no filament. They are also referred to as "cold cathode" tubes.
- The "VR" type number gives the breakdown voltage (or regulation voltage). For example VR150 => 150 volt.
- The term "neon blue" was probably being used to describe the appearance of the glow, but neon does not glow blue. It glows orange.
- The blue glow sounds like it is probably from argon.
- "VR" tubes are used as shunt regulators. For those of you raised on silicon, they are used about the same way as Zener diodes.

Questions:

- There are several different voltages available in VR tubes. The regulation voltage is determined by ...what...? The gas in the tube or tube geometry?
- What gas is used in these tubes?
- How is the cathode constructed?
- If a VR tube leaks (as when a vacuum tube gets gassy) what

happens to it? A change to breakdown voltage?

Gary

From ab4el.com Fri Jul 8 23:49:35 1994
From: DUBE2@delphi.com
Subject: VR75?

>What is a common tube number for a VR75 tube?....

You can use an 0A3A or an 0C2. The 0A3A is an octal-based tube and the 0C2 is a 7-pin miniature.

73,

<dube2@delphi.com>

From ab4el.com Mon Jul 11 16:46:41 1994
From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>
Subject: Wall Street Journal, BA in AD

----- Forwarded message begins here -----
>From: Marcotte, T F (T <TFMA@chevron.com>
11 Jul 94 11:00:08 PDT
To: morgan@speckle.ncsl.nist.gov
Subject: Wall Street Journal

FROM: Marcotte, T F (Tom)
DATE: 07/11/94 12:43
TO: OPEN ADDRESSING SERVI-OPENADDR

CC:
SUBJECT: Wall Street Journal
PRIORITY:
ATTACHMENTS:

Roy,

Pls forward to BA.

On the back page of today's Wall Street Journal is a photo of a handheld BA, described as follows:

"SIGNAL CORPS U.S. ARMY"
"RADIO RECEIVER AND TRANSMITTER BC-611-"

"SER. NO. 10531-PHILA-45-01"
"GALVIN MFG. CORPORATION"
"CHICAGO ILLINOIS"

This is in a full page ad for Motorola, and the BA is about full size.

de tom n5off
----- Forwarded message ends here -----
-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From ab4e1.com Sat Jul 9 17:23:56 1994
From: kludge@netcom.com (Scott Dorsey)
Subject: RE: Wrinkle Black

I strongly recommend the Harley Davidson black wrinkle finish, available from your local Harley dealer. It's cheaper than the stuff from your neighborhood electronics shop, and gives the most even finish of all the brands I have tried. It claims to wrinkle nicely at room temperature, but you really do want to heat it up to 150 to 250 degrees F for a good pattern.
--scott

From ab4e1.com Sat Jul 9 12:10:13 1994
From: n5off@w5ddl.aara.org
Subject: Wrinkle Paint, How To??

This is probably a FAQ, but how does one repaint over wrinkle paint?

Do you have to remove all th` old paint? Sand it?

If you paint over old wrinkle, gon't you get a wrinkle^2???

Asistance please. . .
73 de tom
n5off@w5ddl.aara.org@usl.edu